

WASHINGTON STATE DEPARTMENT OF HEALTH OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS

ANNUAL GROWING AREA REVIEW

PREPARED BY: Donald Melvin, Environmental Specialist

AREA: Hood Canal # 8

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved, Conditionally Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method. The Conditionally Approved portion of the area at Twanoh State Park was closed from 5/1/2005 to 10/1/2005 in accordance with the areas management plan. All of the State Park tidelands were closed due to a failure of the park's on-site sewage treatment system. DOH completed a routine evaluation of the shoreline around the Hood Canal #8 growing area. DOH evaluated 88 drainages and discharge points and 421 developed parcels along ten miles of shoreline. Four indirect impacts were identified related to shoreline discharges as well as the on-site system failure at the State Park. Closure zones were recommended on the shoreline areas impacted by these discharge points. Detailed information about the size and location of the recommended closure zones is in the shoreline survey report. A copy of the report was sent to Mason County.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

The information gathered during the course of the shoreline survey indicates the presence of active pollution sources.

CLASSIFICATION STATUS:

- ☒ Well within the classification standards
- ☐ Meets standards but some concerns
- ☐ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified. Shoofly Creek on the north shore and two unnamed streams on the south shore are on the 303D list for fecal coliform. Marine waters on the north shore at the boundry between Hood Canal #8 and Hood Canal #9 are on the 303D list for fecal coliform.

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MANAGEMENT PLAN EVALUATION – BRIEFLY DESCRIBE THE FOLLOWING COMPONENTS:

- 1. Have all parties involved complied with the conditions in the management planYes
- 2. Has reporting been adequate to manage the conditional areaYes
- 3. Does the area consistently meet approved area criteria when it is open for harvestYes
- 4. Has a field inspection of critical pollution sources been conducted.....Yes

TABLE 1
SUMMARY OF MARINE WATER DATA (SRS)
 Growing Area: **HOOD CANAL #8**
 Classification: **Approved,Conditionally Approved**

From **11/21/2000 To 12/13/2005**
FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
252	Approved	31	1.7 - 130.0	2.5	8.0	Yes
253	Approved	31	1.7 - 49.0	2.5	6.0	Yes
254	Approved	30	1.7 - 49.0	2.6	7.0	Yes
255	Approved	31	1.7 - 17.0	2.1	4.0	Yes
256	Approved	31	1.7 - 33.0	2.3	5.0	Yes
257	Approved	31	1.7 - 79.0	2.7	8.0	Yes
258	Approved	31	1.7 - 23.0	2.4	5.0	Yes
259	Approved	31	1.7 - 110.0	2.5	7.0	Yes
260	Approved	31	1.7 - 49.0	2.7	8.0	Yes
261	Approved	31	1.7 - 220.0	3.4	14.0	Yes
262	Approved	31	1.7 - 49.0	3.0	11.0	Yes
263	Approved	31	1.7 - 7.8	2.1	3.0	Yes
264	Approved	31	1.7 - 70.0	2.3	6.0	Yes
265	Approved	31	1.7 - 11.0	1.9	3.0	Yes
266	Approved	31	1.7 - 33.0	2.9	8.0	Yes
267	Conditionally Approved	31	1.7 - 33.0	2.0	4.0	Yes

All tides information is presented

The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

